SAEINDIA Southern section invites Undergraduate Engineering Stream Students for the National Level Competition on FINITE ELEMENT ANALYSIS (Using ANSYS) (NLCFEA-2023)

Salient Features of the Training
- 100-hour Training duration
- 09 Skills
- 20 Tutorials
- 15 Exercise
- Training options – Online / Offline

Important Dates

<table>
<thead>
<tr>
<th>Event</th>
<th>Dates</th>
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</thead>
<tbody>
<tr>
<td>Team Registration Starts on</td>
<td>18-04-2023</td>
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<tr>
<td>Team Registration Ends on</td>
<td>30-07-2023</td>
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<tr>
<td>Training Workshop –1 (DLE)</td>
<td>19-08-2023 to 20-08-2023</td>
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<tr>
<td>Training Workshop –2 (DLE)</td>
<td>23-09-2023 to 24-09-2023</td>
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<tr>
<td>Follow up learning exercises (FLE)</td>
<td>21-08-2023 to 03-11-2023</td>
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<tr>
<td>Final Event</td>
<td>03-12-2023</td>
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Scoring

<table>
<thead>
<tr>
<th>Training Workshops (Direct Learning Exercises)</th>
<th>DLE</th>
<th>Score</th>
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</thead>
<tbody>
<tr>
<td>Practice (Follow up learning Exercises)</td>
<td>FLE-1</td>
<td>200</td>
</tr>
<tr>
<td></td>
<td>FLE-2</td>
<td>200</td>
</tr>
<tr>
<td></td>
<td>FLE-3</td>
<td>200</td>
</tr>
<tr>
<td></td>
<td>FLE-4</td>
<td>200</td>
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<tr>
<td>Finals (Competition Evaluation )</td>
<td>CE-1</td>
<td>300</td>
</tr>
<tr>
<td></td>
<td>CE-2</td>
<td>400</td>
</tr>
<tr>
<td></td>
<td>CE-3</td>
<td>300</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>2000</td>
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9 Skills
- Problem formulation
- FEA problem formulation
- Structural Analysis
- Modal, Harmonic, Transient Dynamic, Random vibration
- Thermal Analysis
- Coupled Physics
- Explicit dynamics
- Interpretation and verification of Results
- FEA report preparation

Team Size:
- Maximum of 5 UG students
- Individual can also register (Mechanical/Civil/Automobile/Aero Space)

Registration Fees (Including GST)
- For a team with 5 Students: Rs. 17,700
- For Individual Registration: Rs. 3,540

Prizes Worth
Rs 50,000/-

Terms & Conditions
Participation Certificate will be provided to those who complete training, Practice and the Finals

Lead Champion
Dr. S. Hariharan
Associate Professor, SoME
SASTRA, Thanjavur

Champion
Dr. T. Sukumar
Team Lead - Simulation,
ZF, Chennai

Champion
Dr. M. K. Naidu
Associate Professor
Department of Mechanical Engineering
MVGR College of Engineering

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